

PATENT SPECIFICATION



Application Date: July 13, 1921. No. 18,937/21.

185,906

Complete Left: Apr. 7, 1922.

Complete Accepted: Sept. 21, 1922.

PROVISIONAL SPECIFICATION.

Golf Ball Painter.

I, GEORGE WILLIAM IMPEY, 6, Florence Road, Boscombe, Bournemouth, Hants, British, do hereby declare the nature of this invention to be as follows:—

- 5 A machine for painting a golf ball with two brushes, to be driven by hand is comprised of a metal casting, comprising a platform and mandrel to which a metal

bath is screwed to be used for paint, ball is held in position by metal pins. 10
Brushes are attached to metal casting screwed to platform and operated by lever, bringing either brush into position, bath is lowered by same lever.

Dated the 13th day of July, 1921. 15
GEO. W. IMPEY.

COMPLETE SPECIFICATION.

Golf Ball Painter.

- I, GEORGE WILLIAM IMPEY, British, 6, Florence Road, Boscombe, Bournemouth, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

- 20 The apparatus consists of a square platform or base of metal, wood or the like, having on two sides vertical brackets of metal, wood or the like, in the upper portion at which are situate, in the one a fixed metal spindle or pivot and in the other a revolving metal spindle or pivot, 30 the revolving spindle or pivot is constructed to move inwards or outwards in a horizontal direction by a spring enclosed in the upper portion of the vertical bracket and to the outside end of this revolving spindle or pivot, a crank, handle, or pulley is attached for revolving the spindle or pivot by hand or other means, the whole constituting a mandrel 40 for holding the golf ball. A socket or sleeve of metal or the like is fixed on the platform or base central with the above mentioned mandrel and a cup shaped metal bath for containing paint having on its under side in the centre a spigot or neck fits in the sleeve or socket before

mentioned for raising or lowering. This metal cup or bath is raised or lowered by a forked lever of metal wood or the like pivoted on a vertical bracket of metal 50 wood or the like, fixed on one of the sides of the platform or base, this forked lever having an extended arm from the pivot which is connected to a metal or wood slide running in a metal or wood channel 55 shaped casing attached to the underside of the base or platform along the centre but at right angles to the mandrel, this slide and casing being slotted in the centre to allow for the raising and lowering of the spigot or neck attached to the bath or cup; to the other end of this slide is attached a vertical arm of metal wood or the like which protrudes through a slot 60 in the base or platform to the top end of which is pivoted a lever of metal wood or the like having two arms of different lengths to which are attached curved shaped brushes the longer of which is used for spreading the paint and the smaller 70 for removing the surplus paint as required. Two or more of the apparatus may be connected together by chain drive or other method so that two or more balls may be coated at any one time. 75

My invention may be more readily

[Price 1/-]

Printed by

understood by reference to the annexed drawings description and method of operation:—

Fig. I is a front elevation of my invention showing the golf ball supported in the mandrel before being immersed in the metal cup or bath of paint.

Fig. II is a plan view of the same.

Fig. III is a view showing the bath or cup raised immersing the underside of the golf ball.

Fig. IV is a view showing the bath or cup lowered and the shorter brush holder in position.

Fig. V is a plan and side view of the slide showing the central slot before mentioned.

The method of application is as follows:—

The crank or handle B⁴ which rotates the spindle or pivot B³ in the vertical bracket B fixed to the base A is pulled outwards to compress the spring B³ and the golf ball is inserted centrally between the pivots B¹—B² and is held in position by the crank B⁴ being released allowing the spring B³ to force the spindle B³ inwards towards the centre. The position of the lever H, pivoted on the upright G which is fixed to the slide D, is previously arranged so that the brush holder H² is set as shown by Fig. 4. The fork lever F¹ is then pressed upwards by the lever F¹ raising the cup or bath C the spigot or neck C³ sliding up in the sleeve or socket C¹ and immersing the underside of the ball in the paint as shown by Fig. 3. The extended arm F¹ which is attached to the slide D at the point D³ Fig. 5 pushes the slide D forward in the casing or groove A¹ and the upright G which is attached to the other end of the slide D, is moved outwards along the slot A². The lever H is then raised by hand which lowers the longer brush holder H², the movement of the slide D to the left necessitating the use of a longer brush holder H² for evenly distributing the paint as shown by Fig. 3. The crank B⁴ is then turned which rotates the ball in the paint, when the paint is sufficiently and evenly coated on the ball, the lever H is depressed raising the brush holder H² up away from the ball, the lever F¹ is then raised lowering the cup C away from the ball and at the same time drawing the slide back with

the upright arm G, inwards along the slot A², the shorter brush holder H¹ is then brought into position as shown by Fig. 4 and the crank B⁴ again rotated to remove any surplus paint. A pair of tongs or pliers are then placed round the golf ball and the clutch spring B³ again compressed by pulling outwards the crank B⁴ and the ball removed.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. An apparatus for coating golf balls with paint having a spring clutch or mandrel for holding the golf ball between two points on its axis and rotated by a crank.

2. An apparatus as described in Claim 1, and having a cup or receptacle for holding the paint, such cup being raised or lowered by a lever on a vertical sleeve partly immersing the golf ball in the paint, and at the same time bringing into position a brush-holder and brush for spreading the paint when a crank is rotated.

3. An apparatus as described in Claims 1 and 2 and having a second brush-holder and brush which is brought into position by the movement of a lever when the cup is lowered away from the ball, for evenly spreading the paint or removing surplus paint when a crank is rotated the whole constituting a more expeditious and cleanly method than the methods at present employed.

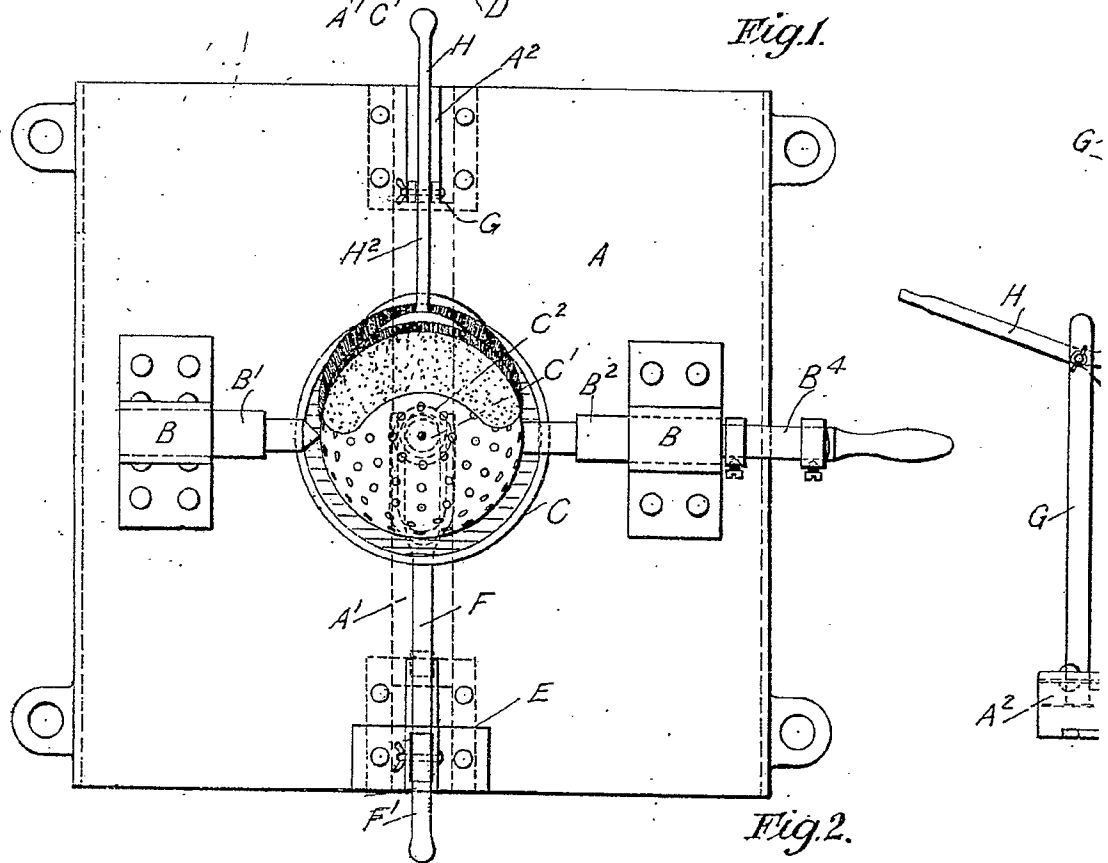
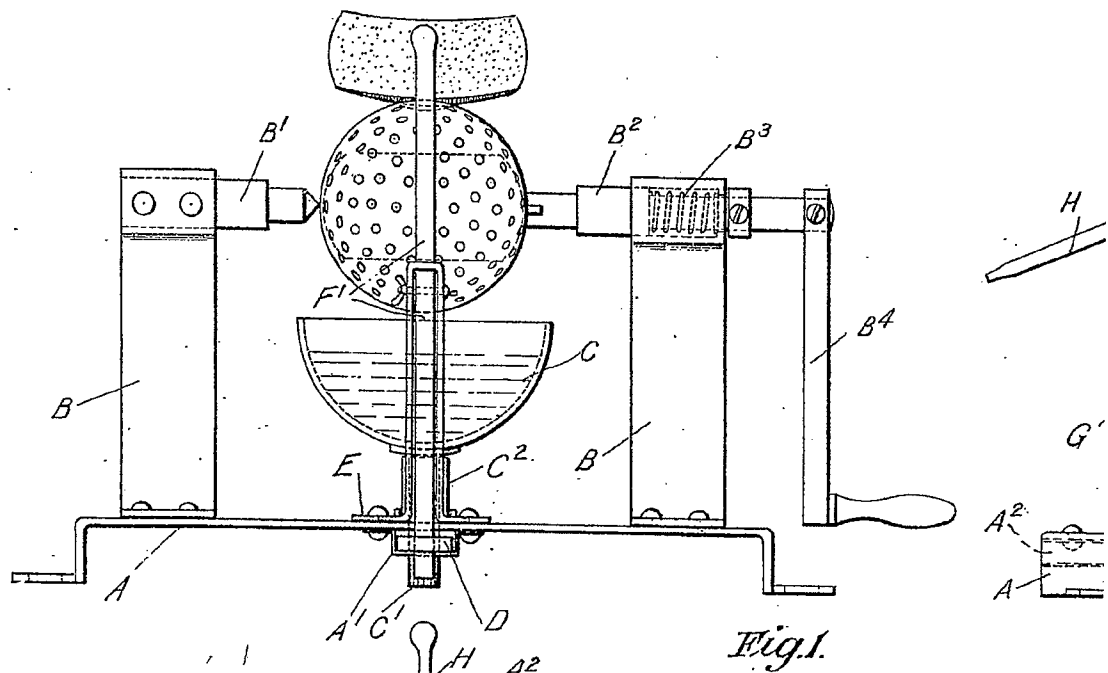
4. An apparatus as before described in Claims 1, 2 and 3 being an arrangement by which on the movement of a lever a receptacle is raised causing the golf ball to be immersed in the paint and a brush holder brought into position for distributing same on the rotation of a crank.

5. An apparatus as before described in Claims 1, 2, 3 and 4, by which a receptacle containing paint is lowered away from the golf ball and a second brush holder and brush is brought into position for evenly spreading the paint or removing the surplus paint on the rotation of a crank.

Dated this 9th day of June, 1922.

GEO. W. IMPEY.

[This Drawing is a reproduction of the Original on a reduced scale.]



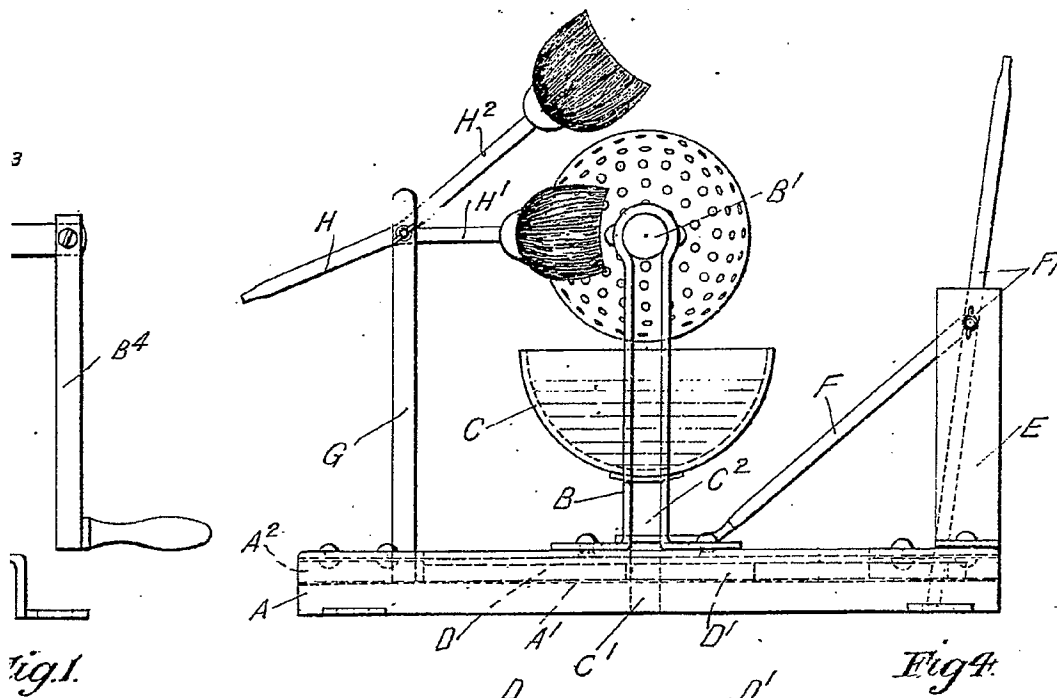


Fig. 1.

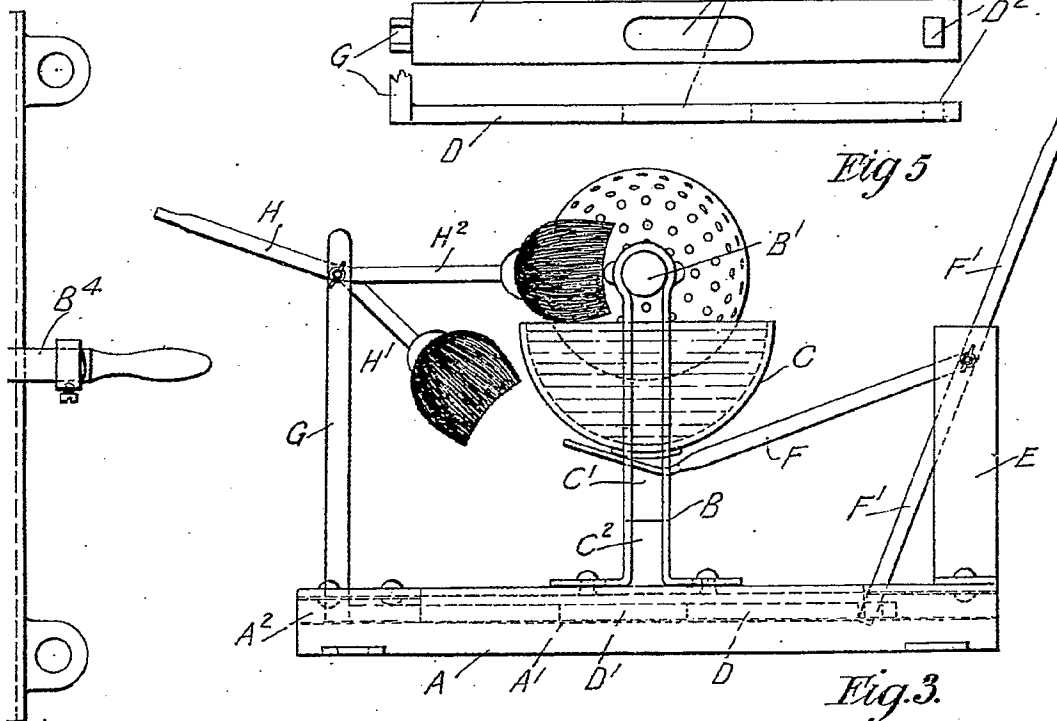


Fig. 2.

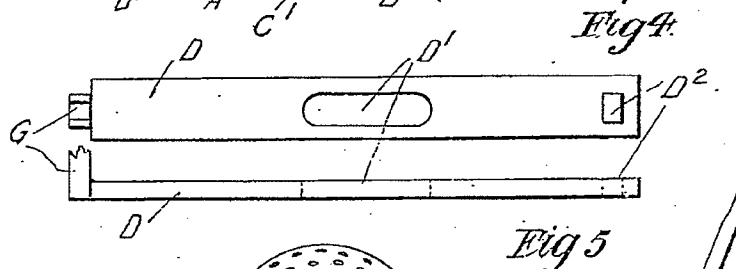


Fig. 3.

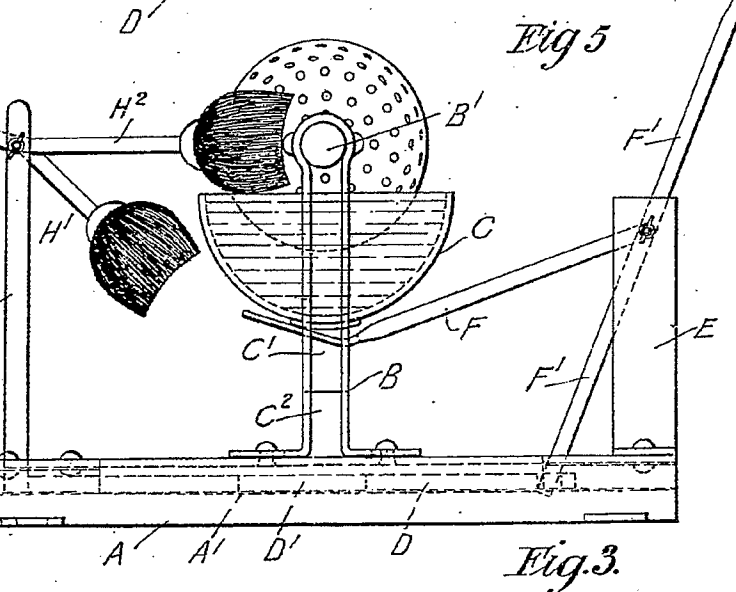


Fig. 4.

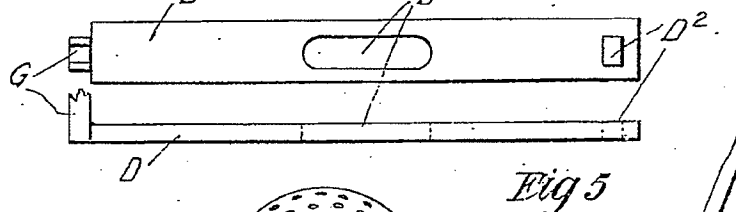


Fig. 5.

[This Drawing is a reproduction of the Original on a reduced scale.]

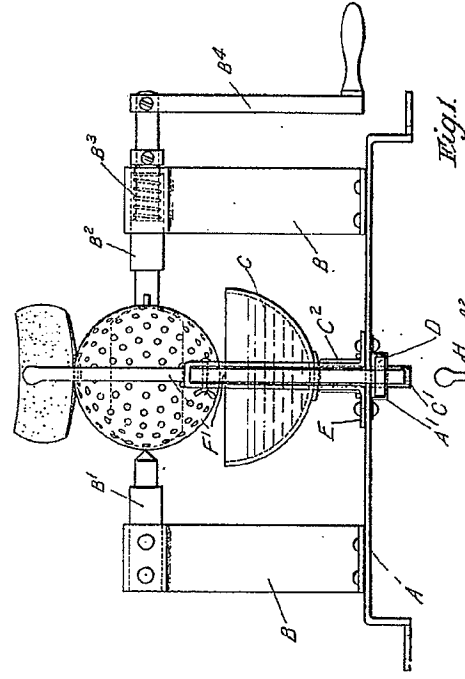


Fig. 1.

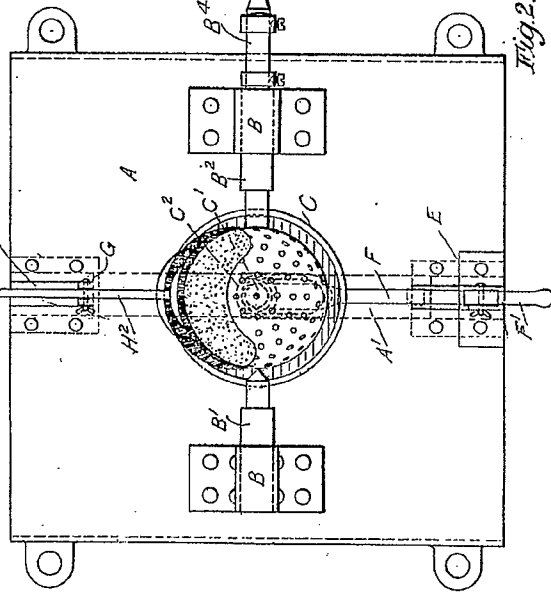


Fig. 2.

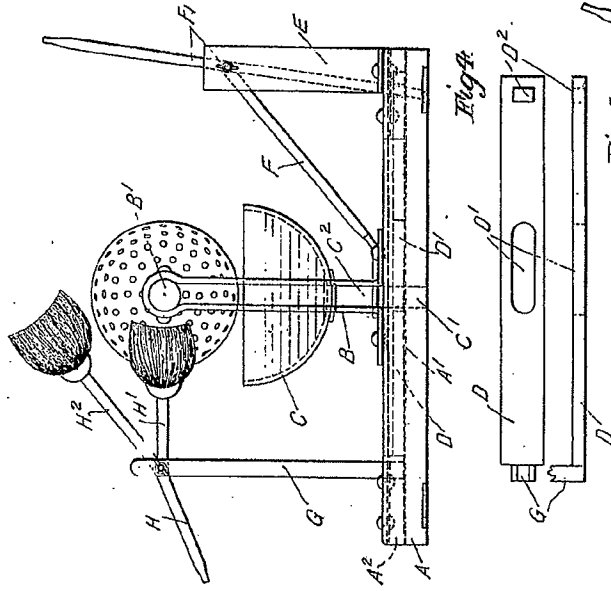


Fig. 3.

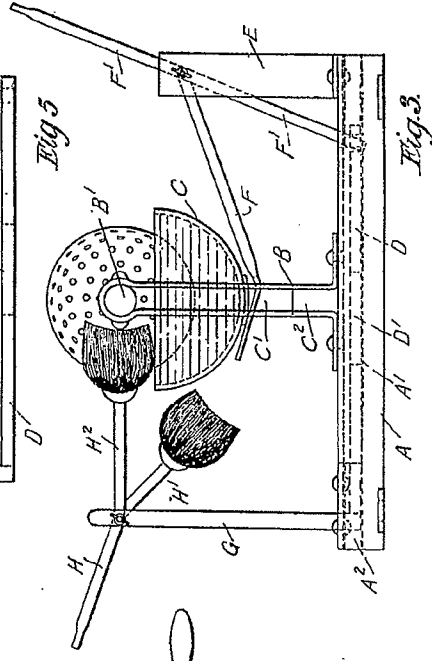


Fig. 4.